LEAD-FREE SOLDER WIRES

RoHS compliant solder with faster wetting times

Features and Benefits:

- *Eutectic alloys*
- *Made from virgin, non-recycled metal*
- *Higher melting Temperatures*
- *Meets J-STD-004B and J-STD-006C specifications*
- *RoHS Compliant*

Applications:

- *Surface-mount*
- *Through-hole*
- *Component bonding*
- *Touch-up soldering*
- *Rework*

THREE METAL COMPOSITIONS

SAC305

The predominantly-used lead-free alloy.

Sn99e

A great lead-free alternative to leaded solders and serves as an economical substitute for the SAC305 alloy solders.

Sn100e

This wire achieves better wetting, contact angle, flow and visual appearance and provides superior solder penetration into plated through-holes.

THREE FLUX TYPES

ROSIN ACTIVATED (RA)

Made of rosin, extracted from the sap of pine trees, and contains the active ingredient abietic acid.

NO CLEAN (NC)

A mixture of organic resins mixed with certain inorganic agents. It leaves residues behind that do not normally require cleaning.

WATER SOLUBLE (WC)

Made from glycol bases, this organic flux is more reactive than rosin activated flux and is thus a stronger cleaner. It leaves a residue behind that requires cleaning with hot water after soldering.

Lead-Free Solder Wire Selection Chart

Cat. Number	Flux Type	Flux Core %	Diameter		Size		Gauge	Softening Point		Melting Range	
			In.	mm	Lb.	Grams		°F	°C	°F	°C
SAC305											
4900-35G	No Clean	2.2	0.032	0.081	0.06 oz	17	21	75	24	422 - 426	217 - 221
4900-112G	No Clean	2.2	0.032	0.081	¼	113	21	75	24	22 - 426	217 - 221
4900-227G	No Clean	2.2	0.032	0.081	½	227	21	75	24	422 - 426	217 - 221
4900-454G	No Clean	2.2	0.032	0.081	1	454	21	75	24	422 - 426	217 - 221
4912-227G	No Clean	2.2	0.020	0.51	½	227	25	75	24	422 - 426	217 - 221
4915-112G	No Clean	2.2	0.040	1.02	¼	113	19	75	24	422 - 426	217 - 221
4915-454G	No Clean	2.2	0.040	1.02	1	454	19	75	24	422 - 426	217 - 221
4916-112G	No Clean	2.2	0.050	1.27	¼	113	18	75	24	422 - 426	217 - 221
4916-454G	No Clean	2.2	0.050	1.27	1	454	18	75	24	422 - 426	217 - 221
4917-227G	No Clean	2.2	0.062	1.57	½	227		75	24	422 - 426	217 - 221
4925-112G	RA	2.2	0.032	0.81	¼	113	21	176	80	423	217
4925-454G	RA	2.2	0.032	0.81	1	454	21	176	80	423	217
4926-112G	RA	2.2	0.040	1.01	¼	113	19	176	80	423	217
4926-454G	RA	2.2	0.040	1.01	1	454	19	76	80	423	217
Sn99e											
4901-112G	No Clean	2.2	0.032	0.81	¼	113	21	75	24	442	227
4901-227G	No Clean	2.2	0.032	0.81	½	227	21	75	24	442	227
4901-454G	No Clean	2.2	0.032	0.81	1	454	21	75	24	442	227
Sn100e											
4933-112G	No Clean	2.2	0.020	0.51	¼	112	25	75	24	442	228
4933-454G	No Clean	2.2	0.020	0.51	1	454	25	75	24	442	228
4935-112G	No Clean	2.2	0.032	0.81	¼	112	21	75	24	442	228
4935-454G	No Clean	2.2	0.032	0.81	1	454	21	75	24	442	228
4942-112G	RA	2.2	0.020	0.51	¼	112	25	176	80	442	228
4942-454G	RA	2.2	0.020	0.51	1	454	25	176	80	442	228
4944-112G	RA	2.2	0.030	0.51	¼	112	21	176	80	442	228
4944-454G	RA	2.2	0.030	0.51	1	454	21	176	80	442	228
49500-454G	No Clean	3.3	0.032	0.081	1	454	21	75	24	442	228
49500WS-454G	Water Soluble	3.3	0.032	0.081	1	454	21	140	60	442	228

Available Packaging

49XX-35G

49XX-227G

49XX-454G

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